

Local Site  Message	Houting Layer (Japan)  Local Site (The U.S.)	
	Router	Exchanger Hub Fire Wall
Global Search Service 600           S.I.H.         C.H.         P.H.         C.L.           S.I.H.         C.H.         P.H.         C.L.           601         602         603         604           OLTP         OLTP         OLTP         OLTP           C.P.D.C.M. 101P.P.D.C.M. C.SI/-O.C. I.I.M.         P.S.M.           102 103         104 105         106         107         108           Global Transaction Service 400 (Database Layer 450)         108         108         108	V.S. 451 S.I. 452 C.T. 453 U./C. 454 OLTP OLTP OLTP OLTP  Global Transaction Service 400 (Application Layer 410)  V.S.P. S.I. (D/0 0.T.P. I.L.P. G.S.P. B.P.P. 411  ) P.412 413 414 415	Global Web Portal Service 300 Screen Display Devices 304 HTT/HTTPS (SSL) 303 Web Server 302 Operating System 301 Global Message Clearing Service 200 Message Broker Layer 201 Message Franslate Layer 202 Message Routing Layer 203 BZB Connect Layer 204 Legacy Gateway 205
Router	VPN Fire Wall Encryption	Load Balancing DNS Hub
F/6.3 F/6.34 Outside Client Web Browser Specified Product	Business Client Shopping Mall Supplier Web Site	Business Client Enterprising Entity A (Transport Company) Enterprising Entity B Enterprising Entity C Enterprising Entity C

#### FIG. 3B

601: S.I.H.= Shipment Instruction History

602: C.H.: Claim History

603: P.H.: Payment History

604: C.L.: Cargo Location

C.P.D.C.M.: Claimed Physical-Distribution Cost Master 101

P.P.D.C.M.: Paid Physical-Distribution Cost Master

C.S.-I./-O.C.: Cargo Stock-in/-Out Cost

I.I.M.: Indemnity Insurance Master

P.S.M.: Price Settlement Master

V.S.: Vessel Schedule 451

S.I.: Shipment Instruction 452

C.T.: Cargo Trucking 453

U./C.: User/Carrier 454

V.S.P.: Vessel Schedule Portal 411

S.I.(D/0): Shipment Instruction (D/0) Portal 412

O.T.P.: Order Trucking Portal 413

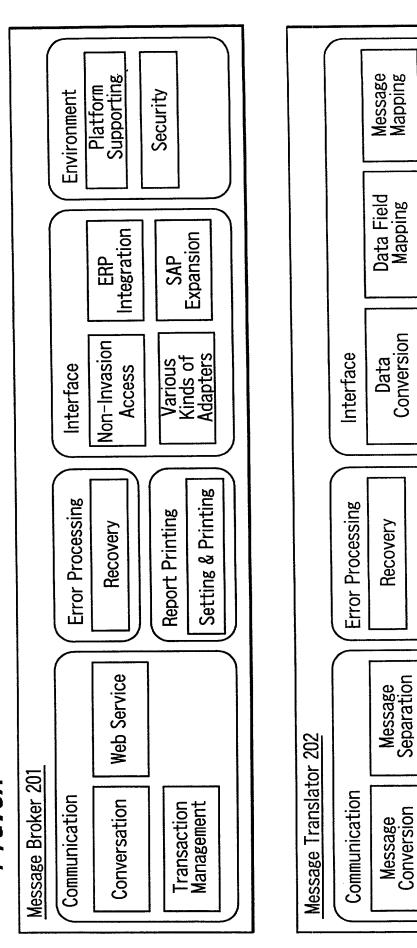
I.L.P.: Inventory Location Portal 414

G.S.P.: Global Search Portal 415

B.P.P.: Bill Payment Portal 416

4	Message Broker 201 PDRMS Connector (Ratch Processing)	ERP Connector (Batch Processing)
		ERP Connector (Real-Time Processing)
	DBC DBC	3C API
	Message Translator 202	
	EDIFACT	XML
	ANSI X.12	1000
	Flat File	
	Message Router 203	
	Mail Box	Message Director
	Message Separator	Message Active Routing
	B2B Connect Layer 204	Legacy Gateway 205
	FTP	Gateway Program(FTP)
	HTTP	Gateway Program(Connect:Direct)
	WebEDI	
	CONNECT:Direct	

### F16.5 F16.5A



File Mapping

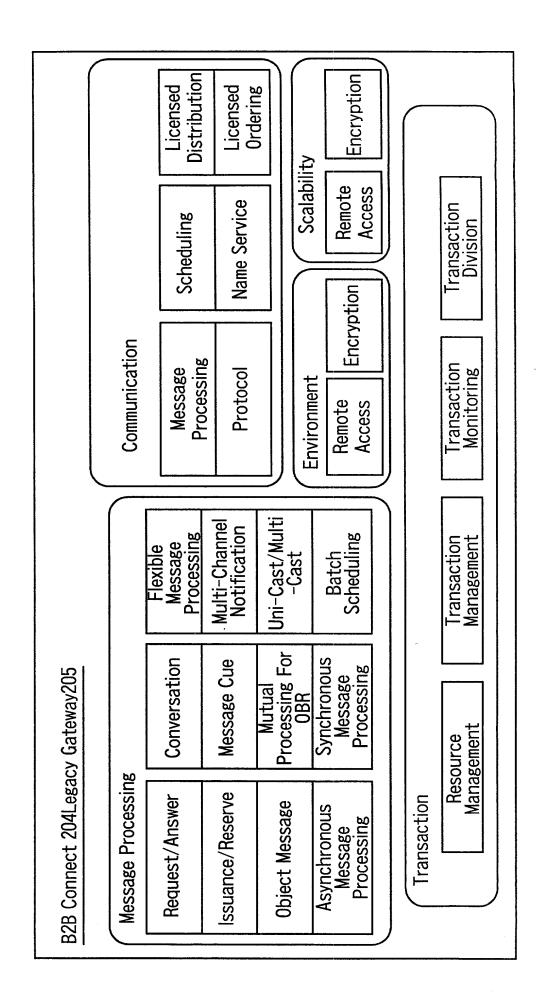
Data Mapping

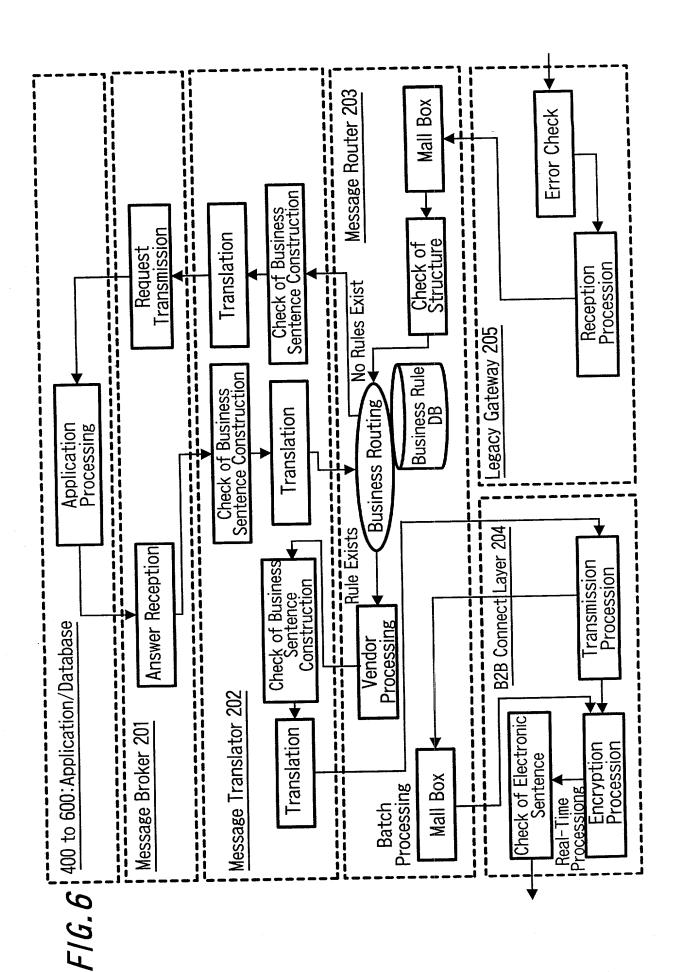
> Message Translation

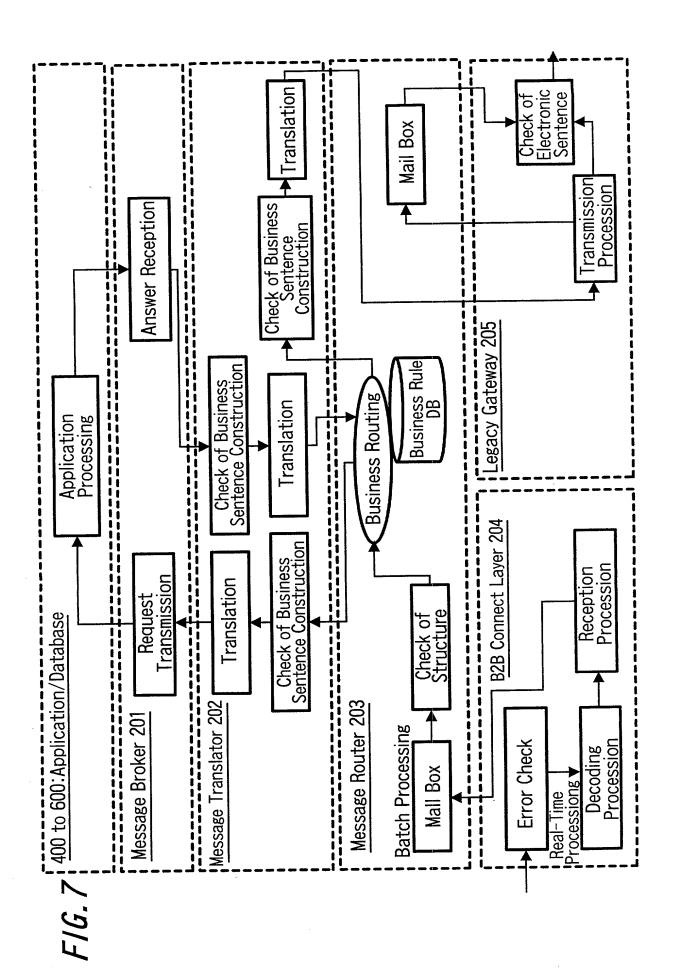
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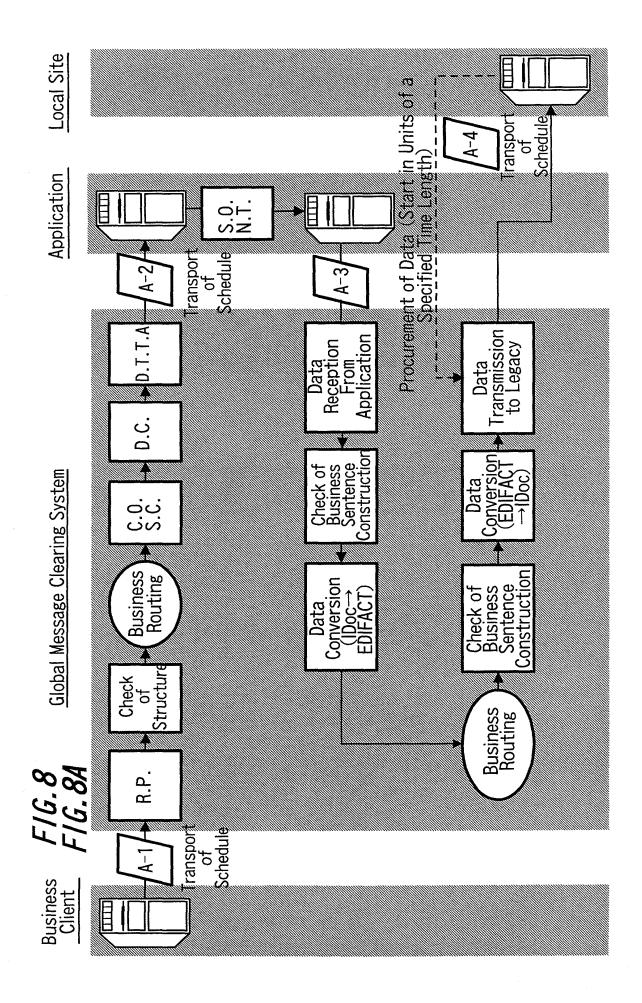
Message Router 203					
Process Management	nt				
Process Priority Order Allocation	Flexible Event Mapping	Event Data Drive Rule	Nest Processing	Many Kinds of Conditional Sentences	Dependency on Task
Status Persistency	Process RE-Entry	Status Drive Rule Engine	Dependency on Process Object	Stepwise- Expansion Procedure	Version Management
Intelligent Routing	b0	Wor	Work Flow	Manual Intervention	vention
Rule Base Routing	Non- Persistency of Se Routing Ro	Various Kinds En En Sequential Routings	Enterprise Definition Rule of Process	ion Change in Manual State	Manual Cancellation
Contents Base Routing	Persistency Routing	S S	Scheduling	Priority Order	
Process Monitoring	8	Information		Error Processing	
Real-Time Analysis	Process Analysis	Access to Process Status	Version	Enterprise- Base Transaction	Error Processing Rule Definition
Report Multi-Source Reference Function	Flexible System Reference	Real-Time Report	Analyzed Report	Environment Hot Process Correction Function	orrection

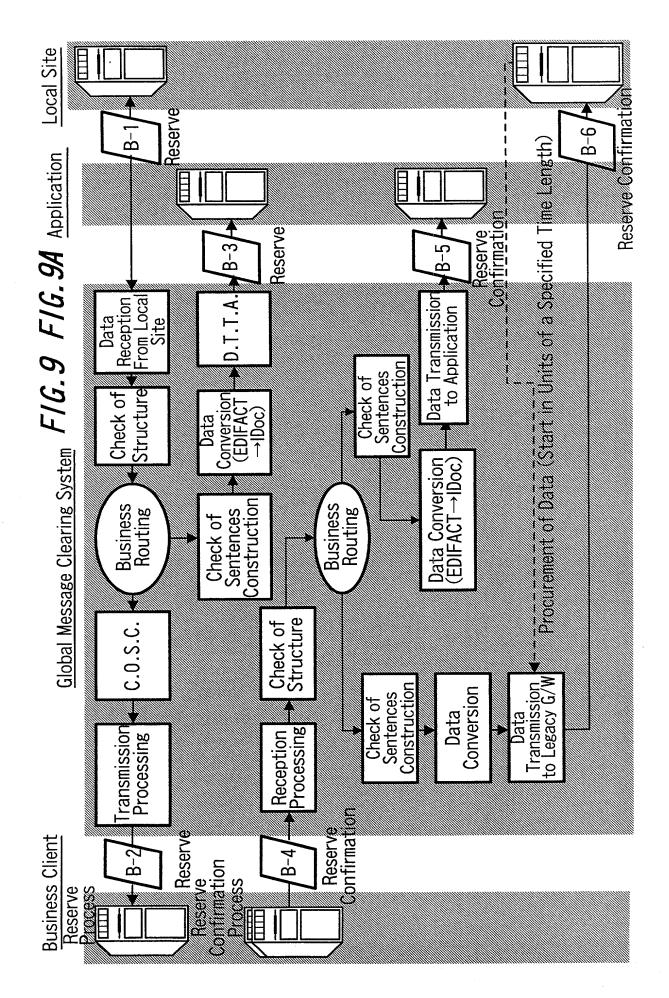
## F16.5C

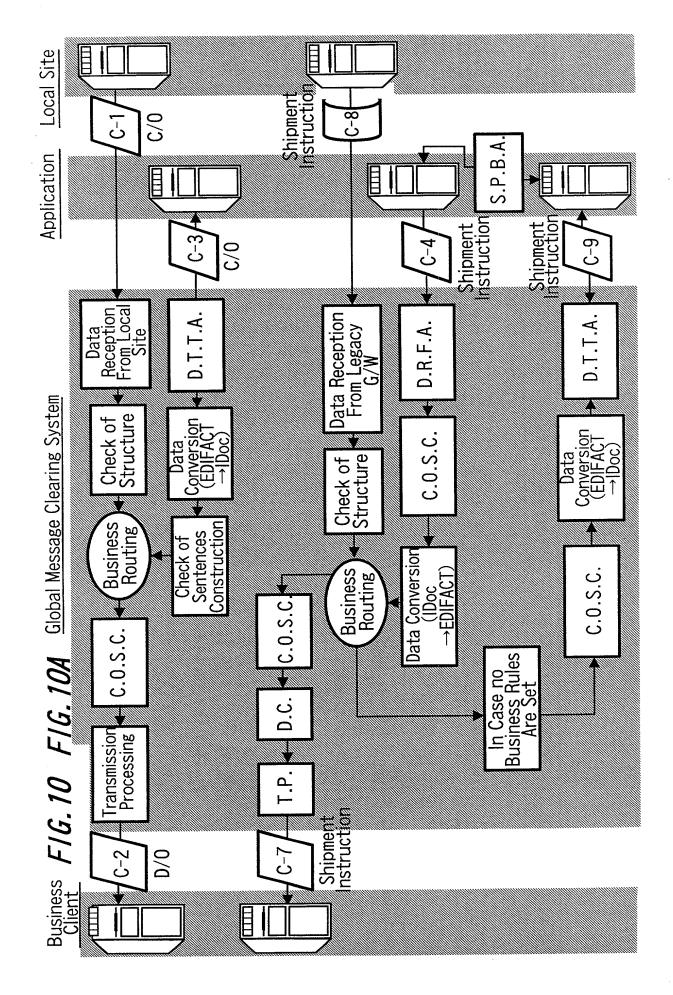


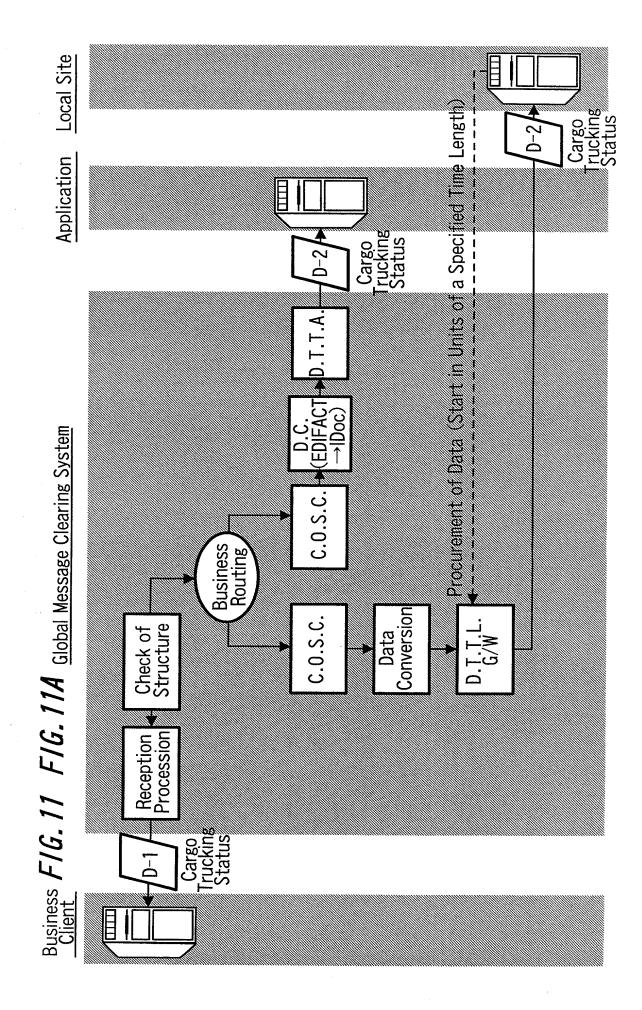


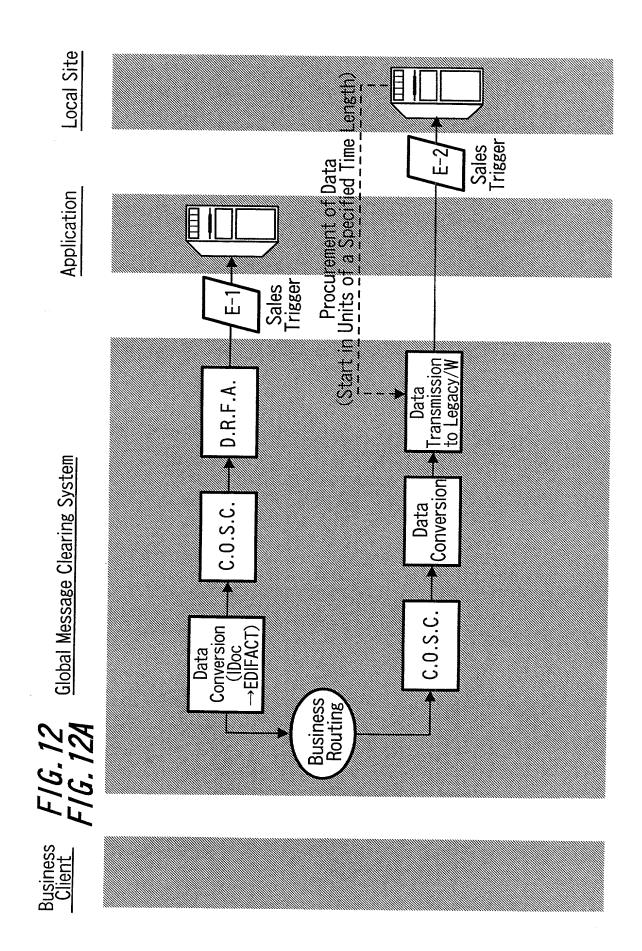


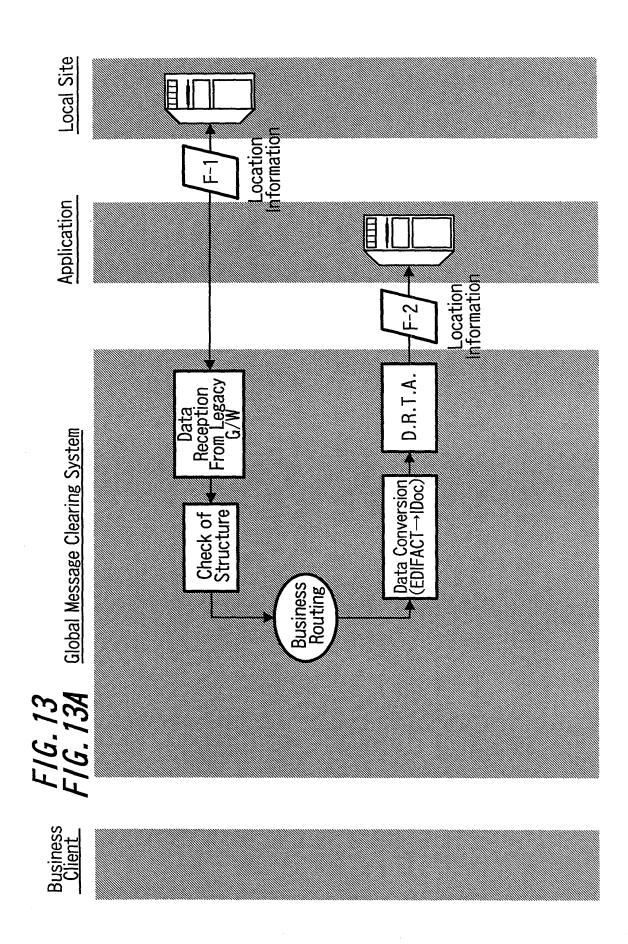












(	•	Message Broker 201		ſ
<i>b.</i> 14	4	RDBMS Connector (Batch Processing)	ERP Connector (Batch Processing)	
		RDBMS Connector (Real-Time Processing)	ERP Connector (Real-Time Processing)	
		NI.		
		EDIFACT	-	
		ANSI X.12	DOC	
		Flat File	GENTRAN:SERVER	
	L	Message Router 203		<b>—</b> —
	_ !		Moscocia Moscocia	
	=		Message Director	
	=:	Message Separator	Message Active Routing	
		B2B Connect Layer 204	Legacy Gateway 205	
		FTP	Gateway Program (FTP)	
		HTTP	Gateway Program (Connect: Direct)	
		WebEDI		
Sol	luec Inec	Connect Enterprise CONNECT: Direct		
1	] 			

#### FIG. 8B

R.P.: Reception Processing

C.O.S.C.: Check of Sentence Construction

D.C.: Data Conversion

D.T.T.A.: Data Transmission to Application

S.O.N.T.: Setup of Nomination Table

#### FIG. 9B

C.O.S.C.: Check of Sentence Construction

D.T.T.A.: Data Transmission to Application

#### FIG. 10B

C.O.S.C.: Check of Sentence Construction

D.T.T.A.: Data Transmission to Application

T.P.: Transmission Procession

D.C.: Data Conversion

C.O.S.C.: Check of Sentence Construction

C.O.S.C.: Check of Sentence Construction

D.R.F.A.: Data Reception From Application

C.O.S.C.: Check of Sentence Construction

D.T.T.A.: Data Transmission to Application

S.P.B.A.: Shipment Processing by Application

#### FIG. 11B

C.O.S.C.: Check of Sentence Construction

D.T.T.A.: Data Transmission to Application

C.O.S.C.: Check of Sentence Construction

D.T.T.A.: Data Transmission to Application

D.T.T.L.G/W: Data Transmission to Legacy G/W

#### FIG. 12B

C.O.S.C.: Check of Sentence Construction

C.O.S.C.: Check of Sentence Construction

#### FIG. 13B

D.R.T.A.: Data Reception to Application